

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 0    | dequantiz\$3 near10 denormaliz\$3 near10 all near10 (subband\$1 sub-band\$1)   | USPAT  | OR               | OFF     | 2010/01/18 21:25 |
| L2    | 0    | dequantiz\$3 near10 denormaliz\$3 near10 all near10 (subband\$1 sub-band\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2010/01/18 21:25 |
| S3    | 13   | james.in. and automatic same measure\$4 same audio same data   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/12/30 14:42 |
| S4    | 0    | carpenter.in. and automatic same measure\$4 same audio same data   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/06 16:57 |
| S5    | 0    | "Hughes Electronics" and automatic same measure\$4 same audio same data  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/11 16:19 |
| S6    | 2    | ((("6931370") or ("20040199933"))).PN.   | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2007/07/13 11:59 |
| S7    | 14   | ((("5966120") or ("5461619") or ("5650825") or ("20020085584") or ("5802068") or ("6137834") or ("6298089") or ("5448568") or ("5506844") or ("6064676") or ("6687247") or ("5987031") or ("7035278") or ("20020146023"))).PN. | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2007/07/11 15:33 |
| S8    | 1257 | (381/57-59).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/06 17:22 |
| S9    | 0    | (monitor\$3 check\$3 watch\$3 track\$3 inspect\$3) with ((audio volume) near2 levels) with (MPEG near2 data near2 streams)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/06 17:26 |
| S10   | 0    | (monitor\$3 check\$3 watch\$3 track\$3 inspect\$3) same ((audio volume) near2 levels) same (MPEG near2 data near2 streams)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/06 17:27 |
| S11   | 0    | ((audio volume) near2 levels) same (MPEG near2 data near2 streams)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2007/07/06 17:27 |

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| S12 | 0   | ((audio volume) near2 levels) same (MPEG near2 streams)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/06<br>17:31 |
| S13 | 0   | (sub-band subband) same stream same (denormali\$5) same threshold same audio   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/06<br>17:34 |
| S14 | 0   | ("6931370").URPN.  | USPAT  | OR | OFF | 2007/07/06<br>17:51 |
| S15 | 7   | ("4546212"   "5448568"   "5734678"   "5864816"   "5909664"   "6278387"   "6314391").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR | OFF | 2007/07/06<br>18:11 |
| S16 | 2   | (channel near3 characteristics) with determin\$3 with ((audio volume) near2 level\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/06<br>18:17 |
| S17 | 0   | (schedule near3 commercial near2 breaks) with determin\$3 with ((audio volume) near2 level\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/06<br>18:17 |
| S18 | 0   | (schedule near3 commercial near2 breaks) same ((audio volume) near2 level\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>14:09 |
| S19 | 10  | (channel near3 (label name identifier)) same ((audio volume) near2 level\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/06<br>18:18 |
| S20 | 165 | (measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1 with (label\$1 identification "ID" schedule)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>14:12 |
| S21 | 9   | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1 with (label\$1 identification "ID" schedule)) and satellite                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:30 |
| S22 | 0   | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1 with (label\$1 identification "ID" schedule)) and (digital near3 (TV television))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>14:16 |
| S23 | 1   | ((((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same (label\$1 identification "ID" schedule)) and (digital near3 (TV television))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>14:17 |

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| S24 | 10 | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same (digital near3 (TV television))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>14:21 |
| S25 | 46 | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same MPEG  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:00 |
| S26 | 8  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same MPEG same (sub-band subband)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:12 |
| S27 | 13 | imai.in. and image same audio same compress\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:14 |
| S28 | 22 | hasegawa.in. and (audio same information same process\$3) and MPEG   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:14 |
| S29 | 0  | ("565625743").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:30 |
| S30 | 1  | ("5625743").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:39 |
| S31 | 7  | ("4546212"   "5448568"   "5734678"   "5864816"   "5909664"   "6278387"   "6314391").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR | OFF | 2007/07/11<br>15:32 |
| S32 | 1  | ("5625743").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>15:39 |
| S33 | 0  | S32 and (volume gain) same level\$1  | USPAT  | OR | OFF | 2007/07/11<br>15:39 |
| S34 | 1  | S32 and (volume gain)  | USPAT  | OR | OFF | 2007/07/11<br>15:39 |
| S35 | 0  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same MPEG same (decompress\$3 denormali\$5 dequanti\$6)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:01 |
| S36 | 0  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same MPEG) and ((decompress\$3 denormali\$5 dequanti\$6) near3 (subband sub-band)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:02 |

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| S37 | 84 | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) and ((decompress\$3 denormali\$5 dequanti\$6) near3 (subband sub-band))          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:02 |
| S38 | 10 | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) and ((decompress\$3 denormali\$5 dequanti\$6) near3 (subband sub-band)) and MPEG | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:26 |
| S39 | 2  | (("6931370") or ("20040199933")).PN.   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2007/07/11<br>16:10 |
| S40 | 2  | S39 and mpeg   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2007/07/11<br>16:13 |
| S41 | 0  | mpeg and ((measur\$3 determin\$3 calculat\$3) with (audio volume) with pyschoacoustic)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:14 |
| S42 | 0  | mpeg and (((measur\$3 determin\$3 calculat\$3) with (audio volume)) same pyschoacoustic)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:15 |
| S43 | 2  | mpeg and ((measur\$3 determin\$3 calculat\$3) with (audio volume)) and pyschoacoustic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:16 |
| S44 | 1  | "704"/\$.ccls. and ((measur\$3 determin\$3 calculat\$3) with (audio volume)) and (pyschoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:16 |
| S45 | 0  | "381"/\$.ccls. and ((measur\$3 determin\$3 calculat\$3) with (audio volume)) and (pyschoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:16 |
| S46 | 1  | ((measur\$3 determin\$3 calculat\$3) with (audio volume)) and (pyschoacoustic near3 model)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:17 |
| S47 | 0  | (mpeg same ((audio volume) near3 level near3 channel\$1)) and (pyschoacoustic near3 model)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:18 |
| S48 | 0  | mpeg and ((audio volume) near3 level near3 channel\$1) and (pyschoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:18 |

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| S49 | 0  | mpeg and ((audio volume) near3 channel\$1) and (psychoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:18 |
| S50 | 1  | mpeg and ((audio volume) with level\$1) and (psychoacoustic near3 model)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:19 |
| S51 | 1  | ((audio volume) with level\$1) and (psychoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:19 |
| S52 | 0  | "Hughes Electronics" and (psychoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:20 |
| S53 | 1  | "704"/\$.ccls. and (psychoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>18:19 |
| S54 | 0  | "381"/\$.ccls. and (psychoacoustic near3 model)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:20 |
| S55 | 34 | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) and (bit near2 allocat\$3 near3 (subband sub-band)) and MPEG                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:28 |
| S56 | 0  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) and (bit near2 allocat\$3 near3 (subband sub-band)) and MPEG and psychoacoustic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:28 |
| S57 | 0  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) and (bit near2 allocat\$3 near3 (subband sub-band)) and MPEG and psycho-acoustic | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:28 |
| S58 | 4  | ((((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same (bit near2 allocat\$3 near3 (subband sub-band)))) and MPEG                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>16:31 |
| S59 | 0  | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same mpeg same (without near3 decompress\$3)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>17:53 |

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| S60 | 0   | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same (without near3 decompress\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>17:54 |
| S61 | 0   | ((measur\$3 determin\$3 calculat\$3) with (audio volume) with level\$1) same ("without" near3 decompress\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>17:54 |
| S62 | 12  | ((measur\$3 determin\$3 calculat\$3) with (audio volume)) same ("without" near3 decompress\$3)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:24 |
| S63 | 0   | "704"/\$.ccls. and (weight\$3 near3 instantan\$4 near2 level)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>18:20 |
| S64 | 0   | "381"/\$.ccls. and (weight\$3 near3 instantan\$4 near2 level)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>18:20 |
| S65 | 9   | (weight\$3 near3 instantan\$4 near2 level)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>10:59 |
| S66 | 0   | (subband sub-band) with weight\$3 with ((instantan\$4 instant fast) near2 level)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>18:43 |
| S67 | 2   | (subband sub-band) with coefficie\$4 with ((instantan\$4 instant fast) near2 level)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/11<br>18:44 |
| S68 | 20  | (weight\$3 near3 (instant instantan\$4) near2 level)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:16 |
| S69 | 0   | (weight\$3 near3 (overall total gross) near2 level) same audio   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:08 |
| S70 | 827 | (weight\$3 near3 (overall total gross) near2 level)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:09 |

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| S71 | 687 | (weight\$3 near3 (overall total gross) near2 level) and (audio background)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:11 |
| S72 | 1   | (weight\$3 near3 (overall total gross) near2 level) same (audio background)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:09 |
| S73 | 0   | (weight\$3 with ((overall total gross) near2 (audio background) near2 level))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:10 |
| S74 | 36  | (probability near3 (overall total gross) near2 level) and (audio background)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:12 |
| S75 | 3   | (probability near3 (overall total gross) near2 level) same (audio background)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:12 |
| S76 | 1   | (probability near3 (instant\$7) near2 level) same (audio background)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:18 |
| S77 | 1   | ("5625743").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:19 |
| S78 | 1   | S77 and weight\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:23 |
| S79 | 0   | (subband sub-band) with (signal near2 power near2 "each" near2 frequency near2 band)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:24 |
| S80 | 0   | (subband sub-band) with (represent\$1) with (signal near2 power) with ("each" near2 frequency near2 band) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/12<br>11:24 |
| S81 | 7   | (subband sub-band) with (represent\$1) with (signal near2 power)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:04 |

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| S82 | 74  | (subband sub-band) near3 (signal near2 power) near3 band                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:05 |
| S83 | 12  | (subband sub-band) near3 (signal near2 power) near3 frequency                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:05 |
| S84 | 12  | ((measur\$3 determin\$3 calculat\$3) with (audio volume)) same ("without" near3 decompress\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:24 |
| S85 | 5   | S84 and average  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>11:25 |
| S86 | 0   | ("S6and(programcomputermediumdisc)").PN.   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2007/07/13<br>11:59 |
| S87 | 2   | ((("6931370") or ("20040199933"))).PN.   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2007/07/13<br>11:59 |
| S88 | 2   | S87 and (program computer medium disc)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>12:08 |
| S90 | 0   | 381/56-59,103-107.cols. and trigger\$3 with alarm with ((threshold limit) near2 exceed\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>12:11 |
| S91 | 746 | trigger\$3 with alarm with ((threshold limit) near2 exceed\$3)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>12:12 |
| S92 | 14  | (trigger\$3 with alarm with ((threshold limit) near2 exceed\$3)) same (audio )                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>13:59 |
| S93 | 14  | (trigger\$3 with (buzzer alarm) with ((threshold limit) near2 exceed\$3)) same (audio )        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:15 |
| S94 | 61  | weight\$3 near3 (instant instantan\$4) near2 (amplitude gain level)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:19 |



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| S95  | 1607 | weight\$3 near3 (total overall) near2 (amplitude gain level)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:20 |
| S96  | 1    | (weight\$3 near3 (total overall) near2 (amplitude gain level)) same audio                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:20 |
| S97  | 2    | (weight\$3 near3 (total overall) near2 (sum amplitude gain level)) same audio                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:21 |
| S98  | 4257 | (weight\$3 near3 (total overall) near2 (sum amplitude gain level))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:21 |
| S99  | 17   | (weight\$3 near3 (total overall) near2 (audio gain volume) near2 (sum amplitude level))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/07/13<br>14:22 |
| S100 | 63   | alarm with (set trigger\$2) with (loss near2 signal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>15:22 |
| S101 | 0    | alarm with (set trigger\$2) with (loss near2 audio near2 signal)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>14:43 |
| S102 | 2    | alarm with (set trigger\$2) with (average near2 level near3 (high low))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>14:52 |
| S103 | 2    | (alarm with (set trigger\$2)) same (average near2 level near3 (high low))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>14:53 |
| S104 | 2    | ((alarm bell buzzer) with (set trigger\$2)) same (average near2 level near3 (high low))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>14:53 |
| S105 | 3    | ((alarm bell buzzer) with (set trigger\$2)) same ((average mean) near2 level near3 (high low)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>15:25 |

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| S106 | 11 | S100 and (audio sound)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>15:22 |
| S107 | 3  | ((alarm bell buzzer) with (set trigger\$2 avtivat<br>\$3 initiat\$3 trip\$4)) same ((average mean)<br>near2 level near3 (high low))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/31<br>10:10 |
| S108 | 1  | ((alarm bell buzzer) with (set trigger\$2 avtivat<br>\$3 initiat\$3 trip\$4)) same (loss near3 audio<br>near3 signal)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/30<br>15:27 |
| S109 | 1  | (set trigger\$2 avtivat\$3 initiat\$3 trip\$4) with<br>(loss near3 audio near3 signal) with detect\$3                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:01 |
| S110 | 0  | ((set trigger\$2 avtivat\$3 initiat\$3 trip\$4) adj2<br>(alarm buzzer bell ring\$3)) with ((average<br>mean) near2 audio near3 (high low)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/31<br>10:11 |
| S111 | 0  | ((set trigger\$4 avtivat\$3 initiat\$3 trip\$4) adj2<br>(alarm buzzer bell ring\$3)) with ((average<br>mean) near2 audio near3 (high low)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/12/31<br>10:11 |
| S112 | 0  | (set trigger\$2 avtivat\$3 initiat\$3 trip\$4) adj3<br>(buzzer alarm ring\$3) adj3 detect\$3 adj3 (loss<br>near3 audio near3 signal)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:02 |
| S113 | 0  | (set trigger\$3 avtivat\$3 initiat\$3 trip\$4) adj3<br>(buzzer alarm ring\$3) adj3 detect\$3 adj3 (loss<br>near3 audio near3 signal)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:04 |
| S114 | 0  | (trigger\$3 avtivat\$3 initiat\$3 trip\$4) adj3<br>(buzzer alarm ring\$3) adj3 (loss near3 audio<br>near3 signal)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:09 |
| S115 | 0  | (trigger\$3 activat\$3 initiat\$3 trip\$4) adj3<br>(buzzer alarm ring\$3) adj3 (loss near3 audio<br>near3 signal)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:05 |
| S116 | 0  | (trigger\$3 activat\$3 initiat\$3 trip\$4) adj3<br>(buzzer alarm ring\$3) adj3 (loss near3 audio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:26 |

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| S117 | 0  | (trigger\$3 activat\$3 initiat\$3 trip\$4) near3 (buzzer alarm ring\$3) near3 (loss near3 audio)                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:06 |
| S118 | 0  | (trigger\$3 activat\$3 initiat\$3 trip\$4) near3 (buzzer alarm ring\$3) near3 (loss near3 microphone)                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:07 |
| S119 | 36 | (trigger\$3 activat\$3 initiat\$3 trip\$4) near3 (buzzer alarm ring\$3) near3 (loss near3 signal)                      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:07 |
| S120 | 0  | ((trigger\$3 activat\$3 initiat\$3 trip\$4) near3 (buzzer alarm ring\$3) near3 (loss near3 signal)) same (audio sound) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:13 |
| S121 | 1  | ((detect\$3 recogniz\$3) adj2 loss adj2 audio adj2 signal)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:10 |
| S122 | 8  | ((trigger\$3 activat\$3 initiat\$3 trip\$4) near3 (buzzer alarm ring\$3) near3 (loss near3 signal)) and (audio sound)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:13 |
| S123 | 0  | (trigger\$3 activat\$3 initiat\$3 trip\$4) adj3 (buzzer alarm ring\$3) adj3 (loss near3 (audio speech sound music))    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:26 |
| S124 | 0  | "381"/\$.ccls. and (detect\$3 adj3 loss adj2 audio) same alarm   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:31 |
| S125 | 0  | "381"/\$.ccls. and (detect\$3 adj3 presence adj2 audio) same alarm   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:31 |
| S126 | 30 | "381"/\$.ccls. and (detect\$3 adj3 presence adj2 audio)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:31 |
| S127 | 0  | "381"/\$.ccls. and (detect\$3 adj3 loss adj2 audio)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/01/05 12:32 |

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| S128 | 18   | (detect\$3 adj3 loss adj2 audio)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/01/05<br>12:33 |
| S129 | 2    | ((("6931370") or ("20040199933"))).PN.   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2008/01/05<br>12:52 |
| S130 | 2    | S129 and medium  | US-PGPUB;<br>USPAT                                 | OR | OFF | 2008/01/05<br>12:52 |
| S131 | 1    | S129 and (disc disk)   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2008/01/05<br>12:53 |
| S132 | 631  | (381/56).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>15:58 |
| S133 | 1323 | (381/104,107).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>15:58 |
| S134 | 2564 | (704/200.1,500,230,235).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>15:58 |
| S135 | 1    | (trigger\$3 activat\$3 initiat\$3 trip\$4) near10<br>(buzzer alarm ring\$3) near10 loss near10<br>(audio voice speech) near10 signal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:01 |
| S136 | 0    | MPEG and (sub-band near20 (de-quantiz\$3<br>dequantiz\$3 unpack\$1) near20 (denormali\$4<br>uncompress\$2 decompress\$3) near20 audio<br>near20 (gain volume level amplitude) near20<br>(threshold limit)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:06 |
| S137 | 0    | MPEG and ((de-quantiz\$3 dequantiz\$3 unpack<br>\$1) near20 (denormali\$4 uncompress\$2<br>decompress\$3) near20 audio near20 (gain<br>volume level amplitude) near20 (threshold<br>limit))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:07 |
| S138 | 0    | ((de-quantiz\$3 dequantiz\$3 unpack\$1) near20<br>(denormali\$4 uncompress\$2 decompress\$3)<br>near20 audio near20 (gain volume level<br>amplitude) near20 (threshold limit))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:07 |
| S139 | 1    | MPEG and ((de-quantiz\$3 dequantiz\$3 unpack<br>\$1) near20 (denormali\$4 uncompress\$2<br>decompress\$3) near20 (threshold limit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:07 |
| S140 | 0    | (trigger\$3 activat\$3 initiat\$3 trip\$4) near20<br>(buzzer alarm ring\$3) near20 (loss near10<br>audio) near20 stream  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:08 |

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| S141 | 6  | (trigger\$3 activat\$3 initiat\$3 trip\$4) near20 (buzzer alarm ring\$3) near20 (loss near10 audio)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:09 |
| S142 | 2  | video and ((de-quantiz\$3 dequantiz\$3 unpack \$1) near20 (denormali\$4 uncompress\$2 decompress\$3) near20 (threshold limit))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/20<br>16:11 |
| S143 | 0  | "381"/\$.ccls. and (trigger\$3 activat\$3 initiat\$3 trip\$4) near10 (buzzer alarm ring\$3) near10 (absense loss) near10 (audio speech sound music) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>10:55 |
| S144 | 2  | "381"/\$.ccls. and (buzzer alarm ring\$3) near10 (absense loss) near10 (audio speech sound music)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>10:56 |
| S145 | 19 | (trigger\$3 activat\$3 initiat\$3 trip\$4) near10 (buzzer alarm ring\$3) near10 (absense loss) near10 (audio speech sound music)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>10:56 |
| S146 | 7  | ((trigger\$3 activat\$3 initiat\$3 trip\$4) near10 (buzzer alarm ring\$3) near10 (absense loss) near10 (signal)) same (audio sound music)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>10:59 |
| S147 | 0  | james.in. and (automatic same measure\$4 same audio same data) and (weight\$3 near10 channel near10 instantan\$4)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>13:47 |
| S148 | 0  | james.in. and (automatic same measure\$4 same audio same data) and (weight\$3 near10 instantan\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>13:47 |
| S149 | 0  | "381"/\$.ccls. and (channel near10 weight\$3 near10 (instant\$6) near10 level)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>13:49 |
| S150 | 21 | "381"/\$.ccls. and (weight\$3 near10 (instant\$6 overall total) near10 level)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>13:51 |
| S151 | 0  | "381"/\$.ccls. and (subband sub-band) near10 represent\$5 near10 strength near10 frequency near10 band  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>14:02 |

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| S152 | 1    | (subband sub-band) near10 represent\$5 near10 strength near10 frequency near10 band  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>14:03 |
| S153 | 28   | (subband sub-band) near10 represent\$5 near10 (strength power) near10 frequency near10 band  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>14:04 |
| S154 | 3614 | (381/102-109,56,59).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:06 |
| S155 | 2564 | (704/200.1,500,230,235).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:06 |
| S156 | 30   | (subband sub-band) near10 (symboli\$3 exemplif<br>\$3 constit\$4 compris\$2 represent\$5) near10 (strength power) near10 frequency near10 band | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:09 |
| S157 | 0    | ("2001004267").PN.   | US-PGPUB;<br>USPAT                                 | OR | OFF | 2008/05/21<br>16:45 |
| S158 | 1    | ("20010047267").PN.  | US-PGPUB;<br>USPAT                                 | OR | OFF | 2008/05/21<br>16:46 |
| S159 | 0    | MPEG near20 extract\$3 near20 (subband sub-band) near20 (dequanti\$3 decipher) near20 (denormal\$4 \$2compress\$3)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:56 |
| S160 | 0    | MPEG and (extract\$3 near20 (subband sub-band) near20 (dequanti\$3 decipher) near20 (denormal\$4 \$2compress\$3))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:57 |
| S161 | 20   | MPEG and ((subband sub-band) near20 (dequanti\$3 decipher) near20 (denormal\$4 \$2compress\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>16:57 |
| S162 | 1    | MPEG near10 (subband sub-band) near20 (parser)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>17:07 |
| S163 | 2    | MPEG near10 (subband sub-band) near20 (pars \$2)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/05/21<br>17:07 |

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| S164 | 35   | (subband sub-band) near20 represent\$5 near20 (strength power) near10 frequency near10 band   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/05/21 17:08 |
| S165 | 41   | (subband sub-band) near10 (compris\$3 constitut\$3 correspond\$3 represent\$3) near10 (strength power) near10 frequency near10 band | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/05/21 17:23 |
| S166 | 1391 | (381/57-59).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/21 22:36 |
| S167 | 1386 | (381/104,107).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/21 22:36 |
| S168 | 2832 | (704/200.1,500,230,235).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/21 22:36 |
| S169 | 1    | ("20010047267").PN.   | US-PGPUB; USPAT; USOCR                 | OR | OFF | 2009/06/22 09:06 |
| S170 | 1460 | (381/57-59).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 09:12 |
| S171 | 1437 | (381/104,107).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 09:12 |
| S172 | 3095 | (704/200.1,500,230,235).CCLS.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 09:12 |
| S173 | 8    | (buzzer alarm ring\$3) near20 (absense loss) near10 (audio speech sound music) near20 threshold\$3                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 09:59 |
| S174 | 0    | james.in. and (automatic same measure\$4 same audio same data) and (threshold\$3 near10 loss)                                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 10:08 |
| S175 | 3    | james.in. and (automatic same measure\$4 same audio same data) and ( loss)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/22 10:08 |

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| S176 | 11   | (buzzer alarm ring\$3) near20 (absence loss) near10 (audio speech sound music) near20 threshold\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>17:37 |
| S177 | 2149 | (381/56-59).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>17:44 |
| S178 | 3388 | (704/200.1,500,230,235).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>17:44 |
| S179 | 1510 | (381/104,107).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>17:45 |
| S180 | 3    | (buzzer alarm ring\$3) near20 (average mean rms) near10 (level gain amplitude volume) near10 (audio speech sound music stream) near20 (high low) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>17:51 |
| S181 | 1    | ("20010047267").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR | OFF | 2010/01/03<br>17:54 |
| S182 | 0    | (level gain amplitude volume power) near10 (subband sub-band) near20 (square near5 root) near20 (sum near5 squares)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>18:01 |
| S183 | 0    | (subband sub-band) near20 (square near5 root) near20 (sum near5 squares)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/01/03<br>18:02 |

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